COLUMBIA DRILLING CO., INC.
P. O. DRAWER 3636
MIDLAND, TEXAS 79702-3636

(915) 697-7975

Well Name & Number North Hobbs Unit 28-232W

Operator Shell Western E & P Inc.

Location 2300'FSL,1350'FWL, SEc.28, T18S, R38E, Lea County, New Mexico

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

RECORD OF INCLINATION

*11 Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Sine of Angle X100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
450	450	1 1/4	2.18	9.81	9.81
941	491	3/4	1.31	6.43	16.24
1442	501	3/4	1.31	6.56	22.80
1960	518	2	3.49	18.08	40.88
2427	467	2	3.49	16.30	57.18
2562	135	4 1/2	7.85	10.60	67.78
2626	64	4 1/4	7.41	4.74	72.52
2680	54	3 3/4	6.54	3.53	76.05
2782	102	3	5.23	5.33	81.38
3072	290	1	1.75	5.08	86.46
3549	477	2	3.49	16.65	103.11
3889	340	1 3/4	3.05	10.37	113.48
4370	481	1 3/4	3.05	14.67	128.15

Drilling Contractor: COLUMBIA DRILLING CO., INC.

By: W. C. Hull

W. C. Hull, Vice President

Subscribed and sworn to before me this 5th day of November 19 84

Carolie J Rasco
Notary Public

My Commission Expires 10-29-85

Midland County, Texas

RECEIVED

FEB 21 1995

OSTI